

Page 5, Line 19 add the heading --Brief Description of the Drawings--

Page 6, Line 12 add the following passage

--In Figure 6, view 6A is a side elevational view of the detection range and view 6B is a vertical view from above of the same detection range.

Figure 7.1 shows schematically the factors which are taken into consideration when placing a first receiving station along a section of racetrack.

Figure 7.2 shows schematically the factors which are taken into consideration when placing a second receiving adjacent to the first receiving station along a section of racetrack.

Figures 7.3 and 7.4 show schematically how the reflection equation described herein are applied to receiver locations in various practical environments.

Description of Preferred Embodiments--

IN THE DRAWINGS

Please enter the enclosed formal drawings.

IN THE CLAIMS

Amend claims 5, 7, 8, 9 and 12 as follows.

5.(Amended) A system according to [any one of claims 1 to 4] claim 1 wherein the transmitter can be controlled to transmit selectively on a plurality of frequencies.

7.(Amended) A system according to [any one of the preceding claims] claim 1 wherein said position detector determines the position of said mobile object based on information provided by the timing system of a race track.

8.(Amended) A system according to [any one of the preceding claims] claim 1 comprising at least one further transmitter provided on at least one further mobile objects, each transmitter simultaneously transmitting video signals to one or more of said receivers.

9.(Amended) A system according to [any one of the preceding claims] claim 1 wherein the receivers and the controller are interconnected by a network.

12.(Amended) A method of communicating a video signal between a mobile object and a stationary location, the method comprising the steps of:

transmitting the video signal on a first carrier frequency from a transmitter on the mobile object;

providing at least first and second receivers at spaced apart locations for receiving the signal from the transmitter on said first carrier frequency; and

determining the location of said mobile object using indications other than signal parameters of the received signal or its carrier;

selecting the signal received by one of said first and second receivers for output at said stationary location[.], on the basis of the location of said mobile object as determined in said step of determining.

Please cancel claims 13 and 14 without prejudice or disclaimer.

Please add claims 15, 16 and 17.

15. A method of establishing a communication system for communicating a video signal between a mobile object provided with a transmitter for transmitting the video signal on a first carrier frequency and a stationary location comprising a plurality of receivers each having a detection area within which the receiver is able to receive the signal from the transmitter on said first carrier frequency when the transmitter is in the detection area, the method comprising the steps of:

placing a first receiver at a first location;

calculating a distance from said first location at which reflection by a reflecting surface of a signal transmitted from said mobile object will cause the received power level at said first receiver to drop below a predetermined level to define a first detection area;

determining a position for each subsequent receiver by calculating a distance at which reflection from a reflecting surface will cause the received power to drop below said predetermined level to determine a detection area and positioning said subsequent receiver

at a distance from the previous receiver such that the detection area of the subsequent receiver overlaps with the detection area of the previous receiver to form a contiguous strip within which the signal from the transmitter is receivable by at least one of the receivers; providing means whereby the signal received by said at least one receiver can be provided to said stationary location; and providing means to determine the position of said mobile object using indications other than parameters of the received signal and carrier and to control switching between receivers on the basis of the determined position.

16. A method of establishing a communication system according to claim 15 wherein said reflecting surface is the ground.

17. A method of establishing a communication system according to claim 15 wherein the position of each receiver is determined by:

determining a first zone of possible positions for the receiver based on a predetermined amount of overlap of the detection areas of the current receiver and the previous receiver;

determine a subset of the first zone of possible locations for the receiver to determine a second zone of practical locations for mounting the receiver;

eliminating those locations in the second zone in which the detection area of the receiver does not cover all the required locations of the transmitter by considering the topology of the ground in the detection area of the receiver and any obstructions therein to define a third zone; and

placing the receiver in the third zone.

REMARKS

The Amendments to the Specification

Captions have been added to the specification. In addition, a more complete brief description of the drawings has been provided.

The Amendments to the Drawings

Formal drawings are now provided. Please take note that several changes of an editorial nature have been made. Specifically, in all cases the word "Figure" appearing on the informal drawings has been replaced with --Fig.--. In addition, for clarity, several numbers appearing in Figs. 7.1-7.4 have been relocated from positions within the depicted subject matter to adjacent locations and supplied with lead lines.

The Amendments to the Claims

The claims have been rewritten to remove several multiple dependencies.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

By: 

William H. Benz
Registration No. 25,952

P.O. Box 1404
Alexandria, Virginia 22313-1404
(650) 622-2300

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